



Messages delivered with all
the impact you'd intended.

Professional Plasma Displays

SAMSUNG

Samsung Professional Plasma Displays

H Series Displays



P42H, P50H

A cost-effective, best-in-class solution with slim connectivity (PC: VGA/DVI, Video: CVBS/HDMI), and performance well-suited to any type of motion video.

Indoor Entertainment Venues: Indoor stadiums, auditoriums, digital movie theaters, civic centers, convention centers, museums, parks, hotel lobbies, bars, casinos, clubs

Indoor Retail/Signage/Billboard: Point of Sale (POS) displays or in-store TVs at convenience stores, book stores, movie theaters, quick-serve restaurants, grocery stores, coffee shops, pharmacies, department stores and shopping malls

Rental & Staging: Rental and transportable displays for staging, concerts, trade shows and other events



HP Series Displays



P42HP, P50HP

A high-impact plasma with full connectivity (PC: VGA/DVI/BNC, Video: CVBS/HDMI/Component), that's perfect for videoconferencing and distance learning, or for company-wide employee communications.

Indoor Entertainment Venues: Indoor stadiums, auditoriums, digital movie theaters, civic centers, convention centers, museums, parks, hotel lobbies, bars, casinos, clubs

Indoor Retail/Signage/Billboard: Point of Sale (POS) displays or in-store TVs at convenience stores, book stores, movie theaters, quick-serve restaurants, grocery stores, coffee shops, pharmacies, department stores and shopping malls

Rental & Staging: Rental and transportable displays for staging, concerts, trade shows and other events



Samsung professional plasma displays are engineered for maximum performance, reliability and impact. No matter your message, no matter your application, there's a Samsung display that's perfect for you.

F Series Displays



P50F, P63F

For environments that require a professional product that can display 1080P full HD video content, with slim connectivity (PC: VGA/DVI, Video: CVBS/HDMI) and built-in speakers.

Indoor Entertainment Venues: Indoor stadiums, auditoriums, digital movie theaters, civic centers, convention centers, museums, parks, hotel lobbies, bars, casinos, clubs

Indoor Retail/Signage/Billboard: Point of Sale (POS) displays or in-store TVs at convenience stores, book stores, movie theaters, quick-serve restaurants, grocery stores, coffee shops, pharmacies, department stores and shopping malls



FP Series Displays

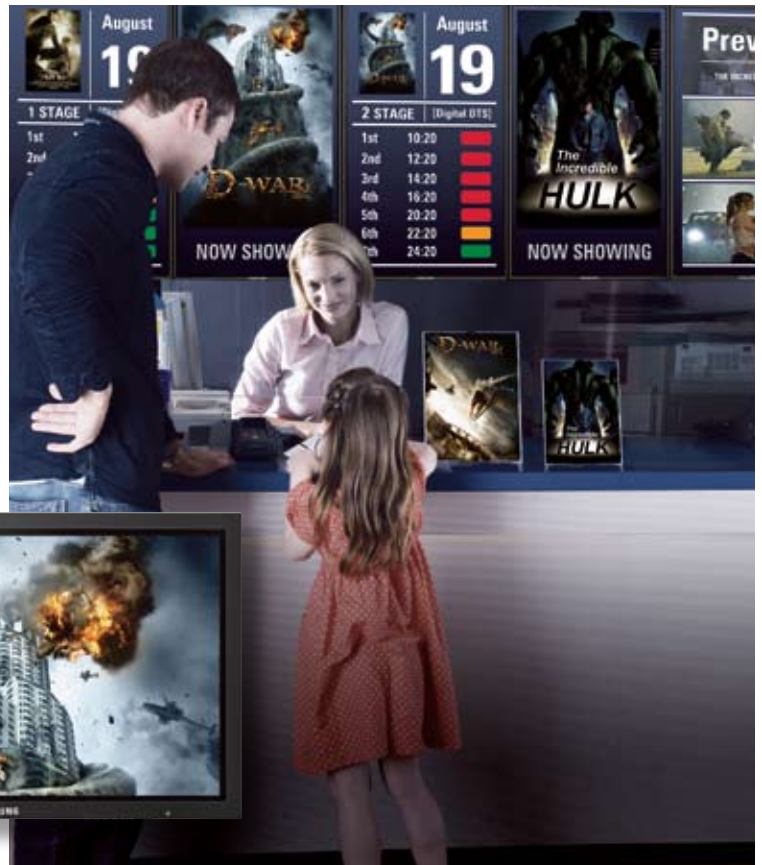


P50FP, P63FP

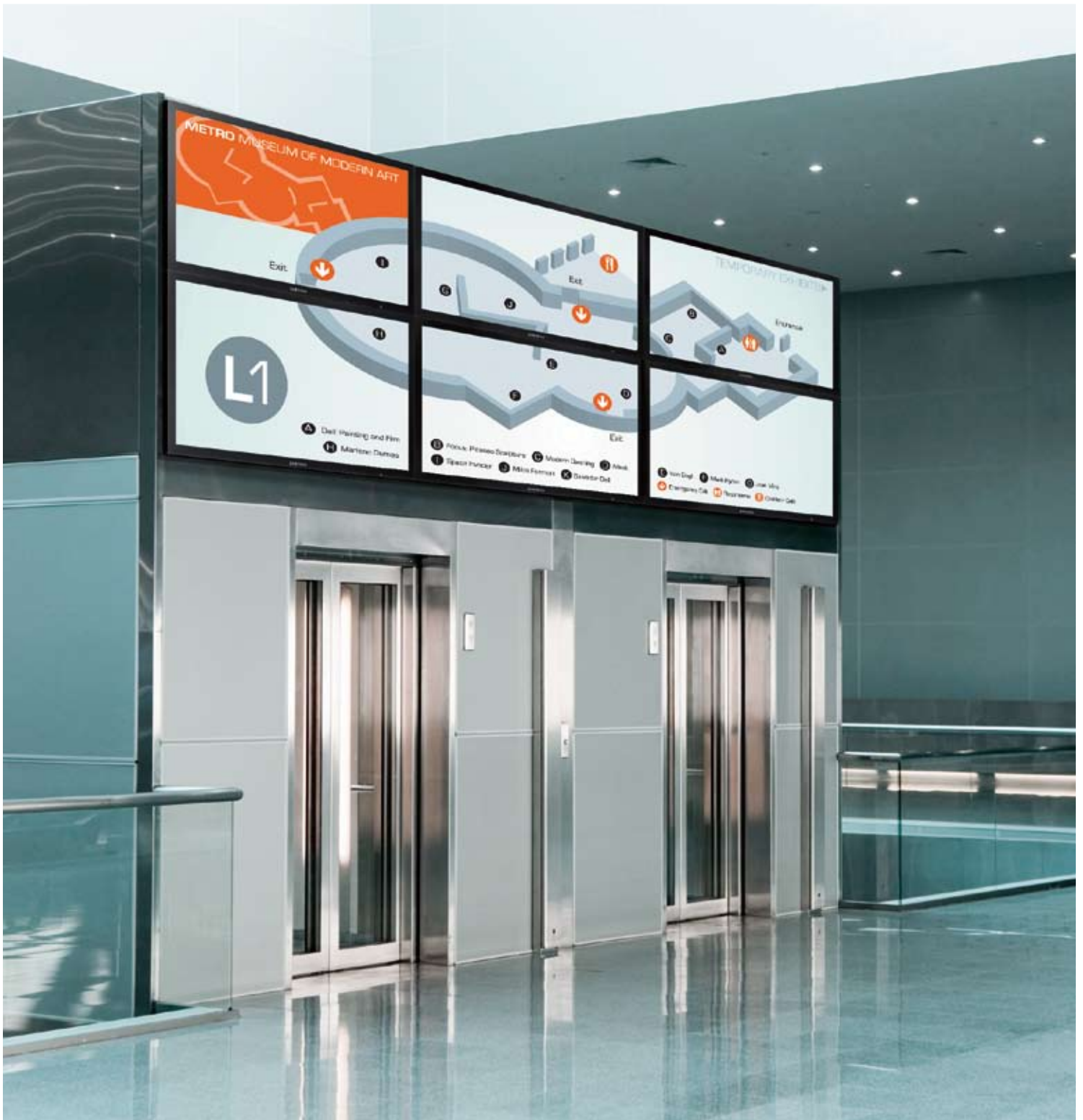
For motion video applications which demand greater flexibility, enhanced display management and improved screen performance, with 1080P full HD video content and full connectivity (PC: VGA/DVI/BNC, Video: CVBS/HDMI/Component).

Indoor Entertainment Venues: Indoor stadiums, auditoriums, digital movie theaters, civic centers, convention centers, museums, parks, hotel lobbies, bars, casinos, clubs

Indoor Retail/Signage/Billboard: Point of Sale (POS) displays or in-store TVs at convenience stores, book stores, movie theaters, quick-serve restaurants, grocery stores, coffee shops, pharmacies, department stores and shopping malls



Long-Lasting Pictures



Conventional Plasma



Samsung Plasma

Longer Lifespan



Samsung prides itself on the long life of its plasma displays. An average user who watches for 8 hours a day can use it for the next 20 years (60,000 hours). Don't worry about product durability. You enjoy the premier-quality Samsung Plasma Display for as long as you want.

6 Types of Anti Burn-in Protection



Samsung engineers plasma displays to last. One of the ways is with anti burn-in protection. An anti burn-in protection timer in the OSD Menu lets you choose among six types of anti burn-in protection, as well as time period of operation and duration of operation. For example, if you select All White, 1 hour period, 5 minutes operation time, the Samsung plasma display automatically operates All White mode every hour for 5 minutes.



Pixel Shift

This option minutely moves pixels horizontally or vertically to prevent after-image.



All White

This option removes after-images by changing the color of all pixels to white. Use this function when there are remaining after-images or symbols, especially when a still image has been displayed for a long time.



Signal Pattern

This option removes after-images by moving all the pixels according to a pattern. This function is useful when there are remaining after-images or symbols, especially when a still image has been displayed for a long time.



Bar

This option removes after-images when the plasma display remains on for prolonged periods by crossing a vertical white bar from left to right. Unlike All White and Signal Pattern, this function can reduce burn-in while you watch the plasma display. The bar mode function interferes with viewing when the vertical white bar crosses.



Inverse

This option removes after-images when the plasma display remains on for prolonged periods by converting RGB input signal into GBR. Unlike All White and Signal Pattern function, this function can reduce burn-in while you watch the plasma display. Using the inverse function interferes with viewing by reversing colors on the screen.



Bar and Inverse

This option combines the Bar and Inverse anti burn-in functions. It removes after-images by crossing a vertical white bar from left to right, and by converting RGB input signal into GBR. Unlike All White and Signal Pattern function, this function can reduce burn-in while you watch the plasma display. Using the bar and inverse function interferes with viewing when the bar crosses and when the colors reverse.

Superior Pictures Through Superior Technologies

Samsung fulfills the demand for lifelike picture quality by creating natural images with vivid color, precise detail and rich contrast.



Conventional Plasma
Contrast 3,000:1 /
Brightness 1,000 cd/m²



Samsung Plasma
Contrast 30,000:1 /
Brightness 1,300 cd/m²

High Brightness and Contrast Ratio

1300
cd/m²

30000:1

High power consumption has often been pointed out as a big weakness of plasma displays. It's a problem that can't be resolved any further within the confines of conventional plasma display cell structure technology. So Samsung changed the entire panel structure from rectangular to octagonal cells. The result is high brightness levels of up to 1300 cd/m² and contrast ratios of up to 30,000:1 with lower power consumption.



Conventional Plasma



Samsung Plasma

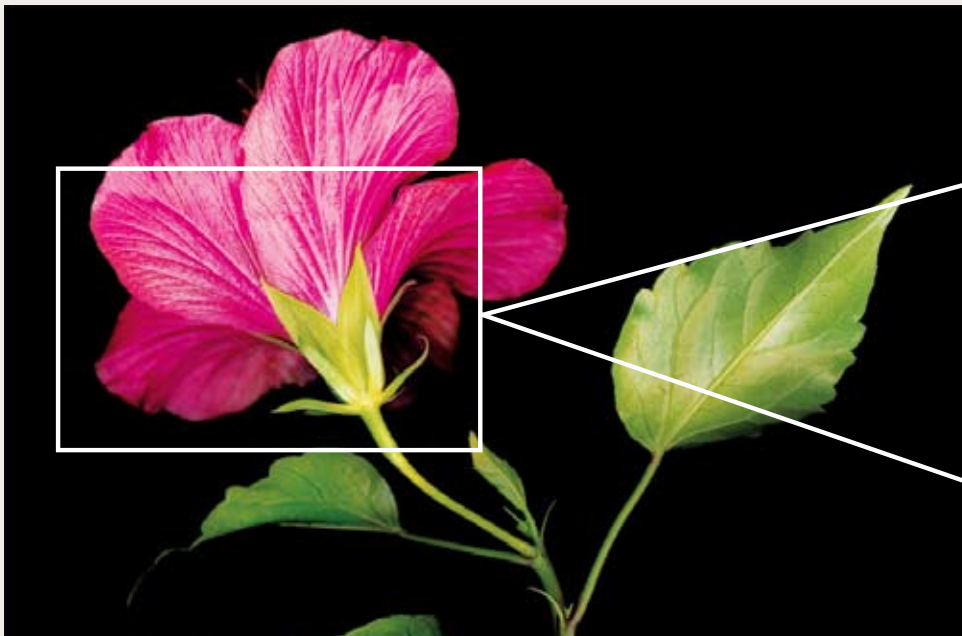
HD Ready

HD
ready

The first thing you'll notice about Samsung HDTV is the exceptional clarity on a wide screen. With Samsung's cutting-edge technologies, HDTV displays deliver incredible, razor-sharp images.

Stunning Full HD 1080p

Full HD 1080p support gives you the highest resolution digital images available. Images displayed at 1920 x 1080 employ 1.5 times more scanning lines than conventional HD resolution, and are twice the resolution of standard HD.

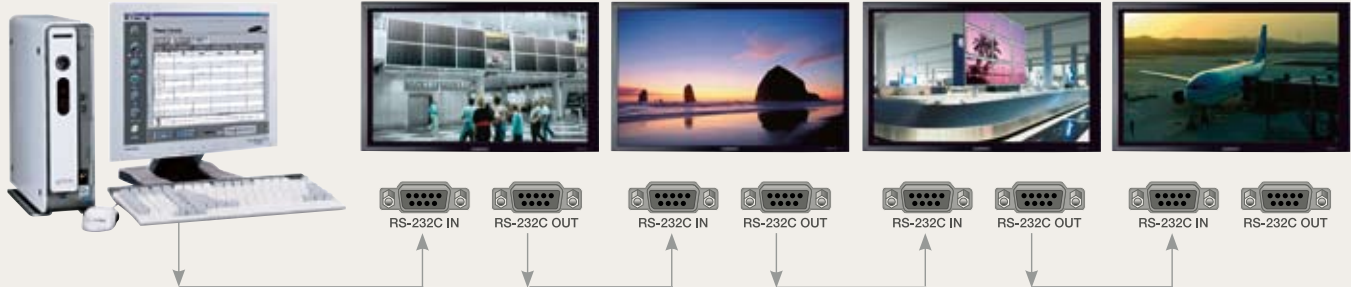


Versatile Display Control

Multi Display Control (MDC)



The more control the better, especially when it's easy. The built-in RS-232C interface allows you to control up to 25 displays from your PC with Samsung's MDC software, using the serial port (DB-9) of the display. Just install the free MDC software supplied, list the units to be controlled, and click on the functions you want to control. It's that simple.



Larger, More Natural Video Walls

Impressive Video Walls

A built-in video wall processor in every Samsung professional display lets you create huge video walls up to 5 displays high by 5 displays wide, without any external controller necessary.



Natural Mode



Samsung video walls let you display in either Full or Natural mode. Full mode displays the entire picture, just as it is. Natural mode compensates for the bezel width, and displays a natural, distortion-free image over the entire video wall.



Full Mode



Natural Mode

VESA Flat Display Mounting Support

Supporting VESA flat display mounting interface standard, Samsung plasma monitors enable simple third party installation. VESA wall mount standard holes are incorporated into the design to allow enhanced installation options and versatility.

Vertical Image Capability



Landscape idea or portrait idea? You're not limited with Samsung. Our plasma display can be mounted either horizontally or vertically. A cooling fan that operates automatically enables vertical mounting with the same basic performance and functions as ordinary horizontal mounting. They're ideal as electronic signboards for storefronts or public places.



Horizontal View



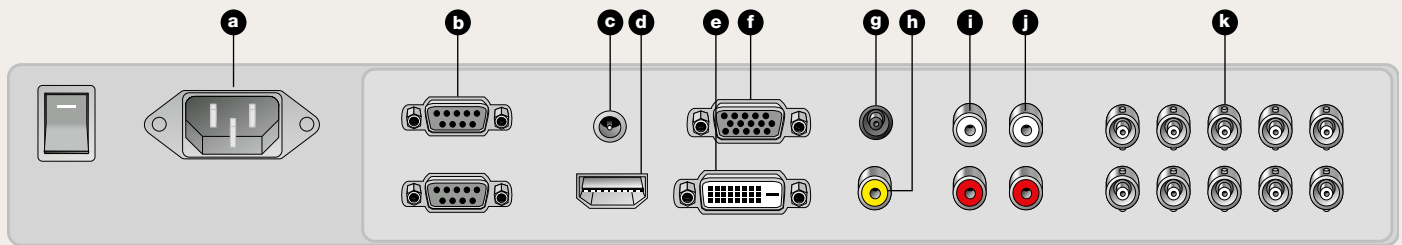
Vertical View

Versatile Connectivity

Full Connectivity with HDMI



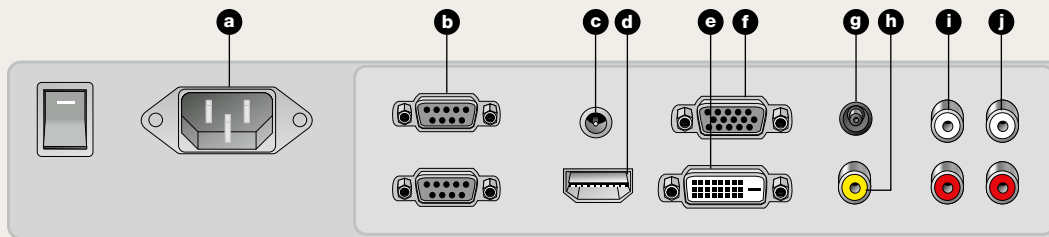
Select Samsung plasma displays offer full connectivity, with PC inputs (VGA/DVI/BNC) and Video inputs (CVBS/HDMI/Component). You'll have unlimited flexibility in your content source.



Slim Connectivity with HDMI



Select Samsung plasma displays offer cost-effective slim connectivity with PC inputs (VGA/DVI) and Video inputs (CVBS/HDMI). You get the connections you need, without paying for the ones you don't.



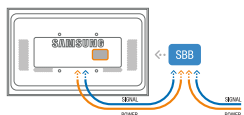
- a. POWER IN** Connect the supplied power cord.
- b. RS-232C**
 - **OUT:** Used for the MDC function when connecting with RS-232C input of another PDP Display.
 - **IN:** Used for the MDC function when connecting PC or RS-232C output of another PDP Display.
- c. DVI/PC/HDMI AUDIO IN** Connect to the audio output jack on your PC or DVI. AUDIO is an audio input jack for PC1 and PC2 modes.
- d. HDMI IN** Connect to the HDMI jack of a device with HDMI output.
 - This input can also be used as a DVI connection with separate analog audio inputs. An optional HDMI/DVI cable will be necessary to make this connection.
 - When using an optional HDMI/DVI adapter, the DVI analog audio inputs on your PDP Display allow you to receive left and right audio from your DVI device.
- e. DVI IN** Connect to the video output jack for device with DVI output.
- f. RGB IN** Connect for RGB HV video signal input from the PC. (PC Mode from this page onward means PC1/PC2 mode using RGB1 [PC1] and RGB2[PC2].)
- g. DC OUT** Connect this to the power connector of a TV tuner box or network box.
- h. AV IN (VIDEO)** (Video Connection Terminal) connect the video terminal of your monitor to the video output terminal of the external device using a video cable.
- i. AV AUDIO IN (L-AUDIO-R)** LCD Display Audio Connection Terminal (input)
- j. AV AUDIO OUT (L-AUDIO-R)** LCD Display Audio Connection Terminal (output)
- k. BNC/COMPONENT OUT/IN** Video (Y/PB/PR) and audio (L/R) inputs for component.
 - **BNC Connection:** Connecting the R, G, B, H, V ports.
 - **Component Connection:** Connecting the PR, Y, PB ports.

Optional Set Back Boxes



Add expanded functionality to your display with a Samsung set back box. The SBB-DT adds a digital TV tuner for displaying over-the-air HD content, while the SBB-NT adds a compact CPU for easy content control via your network. And

both are quick and easy to install with a proprietary HDMI connection. No professional installation required.



SBB-DT Digital TV Tuner

The SBB-DT set back box features built-in analog and digital tuners that let you receive and display 720p and 1080i

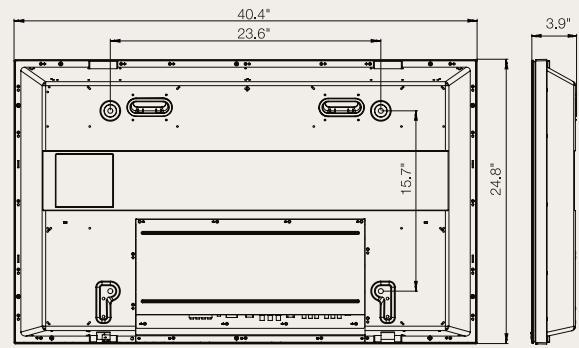
high-definition television broadcasts. Coaxial and HDMI connections give you all the options you need to pull in all the content you want. You can also access and display real-time caption content such as weather reports, stock updates, flight schedules and more.

SBB-NT Instant Networking

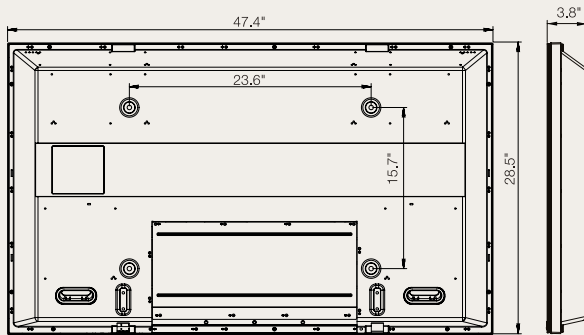
The SBB-NT set back box makes controlling content even easier. Install the set back box, plug the display into your network, and control your display with Samsung Magicinfo Pro software over the network.



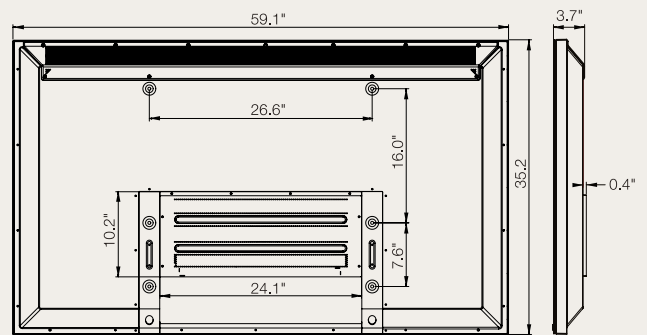
Professional Plasma Display Dimensions and Accessories



P42H/P42HP



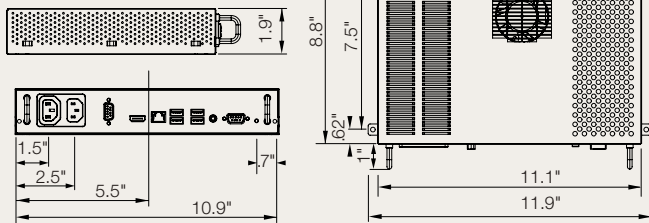
P50H/P50HP/P50F/P50FP



P63F/P63FP

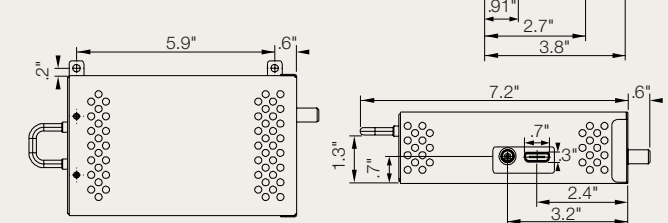
Set Back Boxes

SBB-NT (Network)



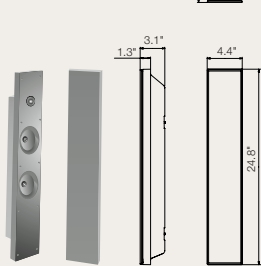
Set Back Boxes

SBB-DT (TV Tuner)



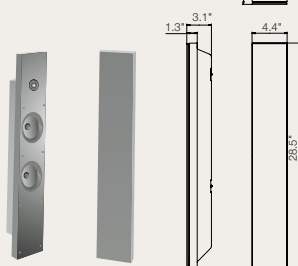
Speakers

Product Name PSN4232B(S)



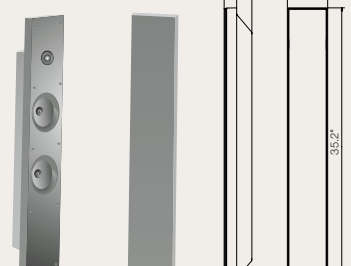
Speakers

Product Name PSN5032B(S)



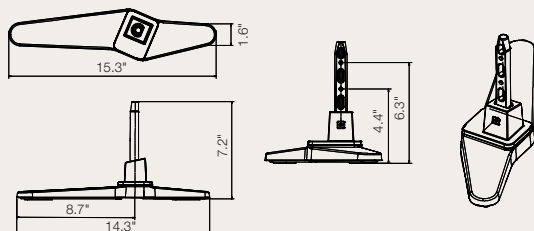
Speakers

Product Name PSN6332B(S)



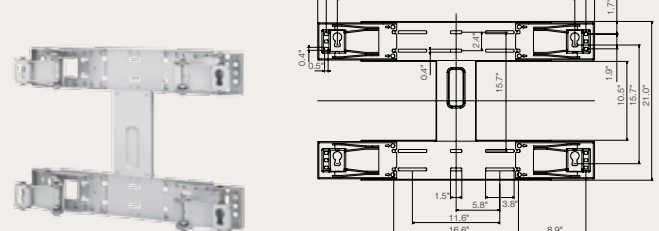
Stand

Product Name STN-P4063D



Wall Mount

Product Name WMN-5770D



Specifications

| | P42H | P42HP | P50H | P50HP | |
|---|--|--|---|---|--|
| Plasma Panel | | | | | |
| Screen Size | 42" | 42" | 50" | 50" | |
| Native Resolution | 1024 x 768 | 1024 x 768 | 1360 x 768 | 1360 x 768 | |
| Supporting Resolution (From PC) | 640x350@70Hz, 640x480@60Hz, 720x400@70Hz, 640x480@67Hz, 832x624@75Hz, 1152x870@75Hz, 640x480@73Hz, 75Hz, 800x600@56Hz, 60Hz, 72Hz, 75Hz, 848x480@60Hz, 1024x768@60Hz, 70Hz, 75Hz | 640x350@70Hz, 640x480@60Hz, 720x400@70Hz, 640x480@67Hz, 832x624@75Hz, 1152x870@75Hz, 640x480@73Hz, 75Hz, 800x600@56Hz, 60Hz, 72Hz, 75Hz, 848x480@60Hz, 1024x768@60Hz, 70Hz, 75Hz | 640x350@70Hz, 640x480@60Hz, 720x400@70Hz, 640x480@67Hz, 832x624@75Hz, 1152x870@75Hz, 40x480@73Hz, 75Hz, 800x600@56Hz, 60Hz, 72Hz, 75Hz, 848x480@60Hz, 1024x768@60Hz, 70Hz, 75Hz, 1152x864@75Hz, 1280x768@60Hz, 1280x960@60Hz, 1280x1024@60Hz, 1280x1024@75Hz, 1360x768@60Hz | 640x350@70Hz, 640x480@60Hz, 720x400@70Hz, 640x480@67Hz, 832x624@75Hz, 1152x870@75Hz, 640x480@73Hz, 75Hz, 800x600@56Hz, 60Hz, 72Hz, 75Hz, 848x480@60Hz, 1024x768@60Hz, 70Hz, 75Hz, 1152x864@75Hz, 1280x768@60Hz, 1280x960@60Hz, 1280x1024@60Hz, 1280x1024@75Hz, 1360x768@60Hz, | |
| Brightness (typ.) | 1300 cd/m ² | 1300 cd/m ² | 1300 cd/m ² | 1300 cd/m ² | |
| Contrast Ratio | 10,000:1 | 10,000:1 | 10,000:1 | 10,000:1 | |
| MTBF | | | | | |
| MTBF | 60,000 hrs | 60,000 hrs | 60,000 hrs | 60,000 hrs | |
| PC Connectivity | | | | | |
| VGA 15-pin D-Sub In (x1) | ■ / □ | ■ / □ | ■ / □ | ■ / □ | |
| BNC In/Out (x3 / x3) | □ / □ | ■ / ■ | □ / □ | ■ / ■ | |
| DVI-D (x 1) | ■ | ■ | ■ | ■ | |
| Video Connectivity | | | | | |
| HDMI (x 1) | ■ | ■ | ■ | ■ | |
| Component In/Out (x 5/ x 5) | □ / □ | ■ / ■ | □ / □ | ■ / ■ | |
| CVBS (AV) In/Out (x 1/ x 1) | ■ / □ | ■ / □ | ■ / □ | ■ / □ | |
| S-Video In/Out (x 1 / x 1) | □ / □ | □ / □ | □ / □ | □ / □ | |
| TV Tuner | | | | | |
| CI slot (x 1) | □ | □ | □ | □ | |
| ANT In (x 1) | □ | □ | □ | □ | |
| Audio Connectivity | | | | | |
| DVI/PC/BNC Audio In/Out (RCA x 1/ x1) | ■ / □ | ■ / □ | ■ / □ | ■ / □ | |
| CVBS (AV)/Component Audio In/Out (Mini Stereo 3.5mm L-R x 1/ x 1) | ■ / ■ | ■ / ■ | ■ / ■ | ■ / ■ | |
| External Speaker Out (L-R x 2) | □ | □ | □ | □ | |
| Integrated Speakers | ■ | ■ | ■ | ■ | |
| Network Connectivity | | | | | |
| RS232C In/Out | ■ / ■ | ■ / ■ | ■ / ■ | ■ / ■ | |
| DTV SBB (SetBack Box) Option (SBB-DT) | ■ | ■ | ■ | ■ | |
| Network SBB (SetBack Box) Option (SBB-NT) | ■ | ■ | ■ | ■ | |
| Mechanical Specs | | | | | |
| Dimension (w/o stand) (W x H x D) | 40.4 x 24.8 x 3.81" | 40.4 x 24.8 x 3.81" | 47.4 x 28.5 x 3.82" | 47.4 x 28.5 x 3.82" | |
| Dimension (packaging) (W x H x D) | 44.5 x 30.5 x 12.4" | 44.5 x 30.5 x 12.4" | 52.1 x 34.2 x 15.6" | 52.1 x 34.2 x 15.6" | |
| Weight (set/package) | 63.1 / 75.0 lbs. | 63.1 / 75.0 lbs. | 76.5 / 93.5 lbs. | 76.5 / 93.5 lbs. | |
| Cabinet Color | Matte Black | Matte Black | Matte Black | Matte Black | |
| Wall Mount | 600 x 400mm | 600 x 400mm | 600 x 400mm | 600 x 400mm | |
| Optional Accessories | | | | | |
| Speakers | N/A | N/A | N/A | N/A | |
| Wallmount | WMN-5770D | WMN-5770D | WMN-5770D | WMN-5770D | |
| Stand | STN-P4263D | STN-P4263D | STN-P4263D | STN-P4263D | |
| Warranty | | | | | |
| On-site Parts & Labor | 2 Years | 2 Years | 2 Years | 2 Years | |
| Green Management | | | | | |
| Emission Standard | EMC | EMC | EMC | EMC | |
| RoHS Compliant | ■ | ■ | ■ | ■ | |
| Product Recyclability | CCFL backlight contains mercury, please dispose of properly | CCFL backlight contains mercury, please dispose of properly | CCFL backlight contains mercury, please dispose of properly | CCFL backlight contains mercury, please dispose of properly | |
| Packaging Recyclability | Packing materials recyclable | Packing materials recyclable | Packing materials recyclable | Packing materials recyclable | |

■ Available □ Not Available

| P50F | P50FP | P63F | P63FP | |
|--|--|--|--|--|
| 50" | 50" | 63" | 63" | |
| 1920 x 1080 | 1920 x 1080 | 1920 x 1080 | 1920 x 1080 | |
| 640x350@70Hz, 640x480@60Hz, 720x400@70Hz, 640x480@67Hz, 832x624@75Hz, 1152x870@75Hz, 640x480@73Hz, 75Hz, 800x600@56Hz, 60Hz, 72Hz, 75Hz, 848x480@60Hz, 1024x768@60Hz, 70Hz, 75Hz, 1152x864@75Hz, 1280x768@60Hz, 1280x960@60Hz, 1280x1024@60Hz, 1280x1024@75Hz, 1360x768@60Hz, 1600x1200@60Hz, 1920x1080@60Hz | 640x350@70Hz, 640x480@60Hz, 720x400@70Hz, 640x480@67Hz, 832x624@75Hz, 1152x870@75Hz, 640x480@73Hz, 75Hz, 800x600@56Hz, 60Hz, 72Hz, 75Hz, 848x480@60Hz, 1024x768@60Hz, 70Hz, 75Hz, 1152x864@75Hz, 1280x768@60Hz, 1280x960@60Hz, 1280x1024@60Hz, 1280x1024@75Hz, 1360x768@60Hz, 1600x1200@60Hz, 1920x1080@60Hz | 640x350@70Hz, 640x480@60Hz, 720x400@70Hz, 640x480@67Hz, 832x624@75Hz, 1152x870@75Hz, 640x480@73Hz, 75Hz, 800x600@56Hz, 60Hz, 72Hz, 75Hz, 848x480@60Hz, 1024x768@60Hz, 70Hz, 75Hz, 1152x864@75Hz, 1280x768@60Hz, 1280x960@60Hz, 1280x1024@60Hz, 1280x1024@75Hz, 1360x768@60Hz, 1600x1200@60Hz, 1920x1080@60Hz | 640x350@70Hz, 640x480@60Hz, 720x400@70Hz, 640x480@67Hz, 832x624@75Hz, 1152x870@75Hz, 640x480@73Hz, 75Hz, 800x600@56Hz, 60Hz, 72Hz, 75Hz, 848x480@60Hz, 1024x768@60Hz, 70Hz, 75Hz, 1152x864@75Hz, 1280x768@60Hz, 1280x960@60Hz, 1280x1024@60Hz, 1280x1024@75Hz, 1360x768@60Hz, 1600x1200@60Hz, 1920x1080@60Hz | |
| 1300 cd/m² | 1300 cd/m² | 1300 cd/m² | 1300 cd/m² | |
| 30,000:1 | 30,000:1 | 10,000:1 | 10,000:1 | |
| 60,000 hrs | 60,000 hrs | 60,000 hrs | 60,000 hrs | |
| ■ / □ | ■ / □ | ■ / □ | ■ / □ | |
| □ / □ | ■ / ■ | □ / □ | ■ / ■ | |
| ■ | ■ | ■ | ■ | |
| ■ | ■ | ■ | ■ | |
| □ / □ | ■ / ■ | □ / □ | ■ / ■ | |
| ■ / □ | ■ / □ | ■ / □ | ■ / □ | |
| □ / □ | □ / □ | □ / □ | □ / □ | |
| □ | □ | □ | □ | |
| □ | □ | □ | □ | |
| ■ / □ | ■ / □ | ■ / □ | ■ / □ | |
| ■ / ■ | ■ / ■ | ■ / ■ | ■ / ■ | |
| □ | □ | □ | □ | |
| ■ | ■ | ■ | ■ | |
| ■ / ■ | ■ / ■ | ■ / ■ | ■ / ■ | |
| ■ | ■ | ■ | ■ | |
| ■ | ■ | ■ | ■ | |
| 47.4 x 28.5 x 3.82" | 47.4 x 28.5 x 3.82" | 59.2 x 35.2 x 3.90" | 59.2 x 35.2 x 3.90" | |
| 52.1 x 34.2 x 15.6" | 52.1 x 34.2 x 15.6" | 66.9 x 21.7 x 42.9" | 66.9 x 21.7 x 42.9" | |
| 82.5 / 99.4 lbs. | 82.5 / 99.4 lbs. | 143 / 171 lbs. | 143 / 171 lbs. | |
| Matte Black | Matte Black | Matte Black | Matte Black | |
| 600 x 400mm | 600 x 400mm | 600 x 400mm | 600 x 400mm | |
| N/A | N/A | N/A | N/A | |
| WMN-5770D | WMN-5770D | WMN-5770D | WMN-5770D | |
| STN-P4263D | STN-P4263D | STN-P4263D | STN-P4263D | |
| 2 Years | 2 Years | 2 Years | 2 Years | |
| EMC | EMC | EMC | EMC | |
| ■ | ■ | ■ | ■ | |
| CCFL backlight contains mercury, please dispose of properly | CCFL backlight contains mercury, please dispose of properly | CCFL backlight contains mercury, please dispose of properly | CCFL backlight contains mercury, please dispose of properly | |
| Packing materials recyclable | Packing materials recyclable | Packing materials recyclable | Packing materials recyclable | |



www.samsung.com/proav

1-866-SAM4BIZ

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